

Lukas Krecan

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Profile

Senior Software Engineer with more than 20 years of experience in designing and developing JVM applications, designing distributed systems, and helping teams deliver value. Maintainer of popular OS projects [ShedLock](#) and [JsonUnit](#).

Expertise

- Software architecture, Microservices, Modular applications
- Java, Kotlin, Spring, Spring Boot
- Automated testing (TDD, Unit, component and integration testing)
- Gradle, Maven, Postgres, SQL, Kafka
- OOP, Design Patterns, REST, GraphQL
- AWS, Kubernetes, DevOps, Web security

Skills

- Technical leadership, decision making
- Teaching, mentoring (taught unit, functional testing, Spring, Kotlin, pair/mob programming)
- Knowledge of Agile techniques (Scrum)
- API design

Employment

- 2023 – 2025 SentinelOne – Senior Staff SW Engineer
- 2020 – 2023 Productboard – Senior Staff Engineer
- 2019 – 2020 Verotel/BitSafe – SW Engineer
- 2016 – 2019 Liftago – SW Engineer, DevOps, Backend Technical Lead
- 2011 – 2016 GoodData – SW Engineer, REST API architect, Scrum master
- 2010 – Freelancer
- 2009 – 2010 – T-Mobile – Senior Software Developer/ Analyst
 - Development, Design, Team coordination, Prototyping, Architecture
- 2008 AerLingus (Ireland), Senior Software Engineer, J2EE programming
 - Development, Refactoring, Design, WS Implementation
- 2005 – 2008 Logos, Senior Software Engineer, J2EE programming in telecommunications and finance
 - Development, Design
 - Mentoring, Teaching
 - Member of Java Competency Centre (knowledge sharing coordination)
- 2004 – 2005 CERN (Switzerland), Software Engineer, J2EE programming of Project Progress Tracking application
- 2001 – 2004 Aegis, Java programmer and consultant in banking, teaching Java and WebSphere courses for IBM Training Services

Education

- M.Sc. (Ing. degree) in Software Engineering, Czech Technical University, Faculty of Nuclear Sciences and Physical Engineering, Prague
- Erasmus studentship, ISAIP-ESAIP, Angers, France

Certificates

- Certified ScrumMaster
- Certificate in Advanced English (CAE)

Interests

- Slack-line, literature, [blogging about Java](#)

Projects:

- 2023 – 2025 – **SentinelOne**
 - Doing a lot of [Blue Work](#), coordinating teams, making sure projects keep on track and move forward, making decisions
 - Helping teams that got stuck
 - Bootstrapping projects
 - Performance tuning of several services (Postgres, OpenSearch)
- 2020 – 2023 – **Productboard**
 - Leading Kotlin adoption
 - Member of the architecture group that was specifying the architecture vision
 - Helping to design modular architecture
 - Technical leadership of teams
 - Spearheading GraphQL adoption
 - REST API architecture
- 2019 – 2020 – **Bitsafe**
 - Processing of payment card transactions (issuing, acquiring)
 - Mob programming, Event Sourcing, Kotlin, Spring Boot
- 2016 – 2019 – **Liftago** – taxi hailing application
 - Design, architecture, implementation
 - Leading Scrum adoption
 - DevOps, Kubernetes, AWS
- 2016 – today – [ShedLock](#) – open-source library for task coordination
- 2011 – 2015 – **Webapp** - frontend component in GoodData platform providing REST APIs for UI and 3rd parties
 - Design, architecture, implementation
 - Technologies used: Tomcat, Spring, MongoDB, Spring MVC
- 2012 – today - [JsonUnit](#) – open-source library for comparing JSON objects
- 2010 – **HOP** (Česká Spořitelna)
 - Optimization, Refactoring, Stabilization, Support
 - Stabilization of mortgage management application back-end layer
 - Technologies used: Spring, JAX-WS RI, Weblogic, Oracle
- 2010 – **Spring WS 2.0** (Open Source)
 - Implementation of WS testing framework
 - API design and architecture
- 2009 – 2010 – **SDP** (T-Mobile, Prague)
 - Service Delivery Platform – broker between third parties and European T-Mobiles (UK, DE, NL, CZ, ...)
 - Design, Development, Testing, Team coordination
 - Web Service design and implementation
 - Maintenance, refactoring and evolution of existing code
 - Prototype implementation (Google Marketplace integration)
 - Leading 3-5 developers, Agile evangelism
 - Technologies used: EJB2, Spring, Axis, MySQL, JBoss, Spring WS
- 2008 – **aerlingus.com** (AerLingus, Ireland)
 - Development, Design
 - Maintenance, enhancement and refactoring of aerlingus.com e-shop
 - Implementation of Web Services for communication with third-parties
 - Unit testing mentoring and implementation
 - Technologies used: Struts, Spring, Spring WS, JDBC, Ant

